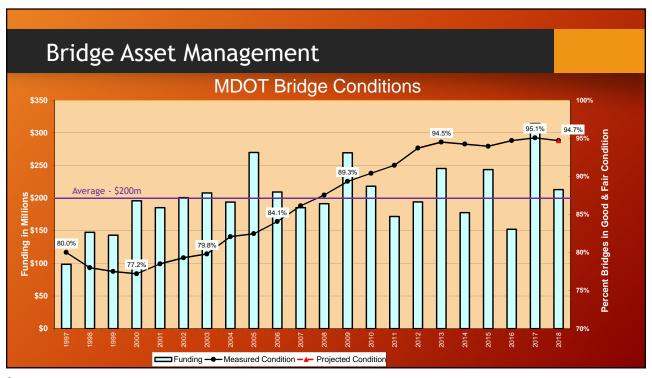
## Outline BOBS Organization Structure Bridge Type and Composition/Terminology Asset Management Bridge Maintenance Bridge Design Process Bridge Plans Road and Bridge Coordination Request for Action (RFA) Projects Design in Construction Accelerated Bridge Construction (ABC) Wrap up

Bridge Asset Management

Literal Control Contr



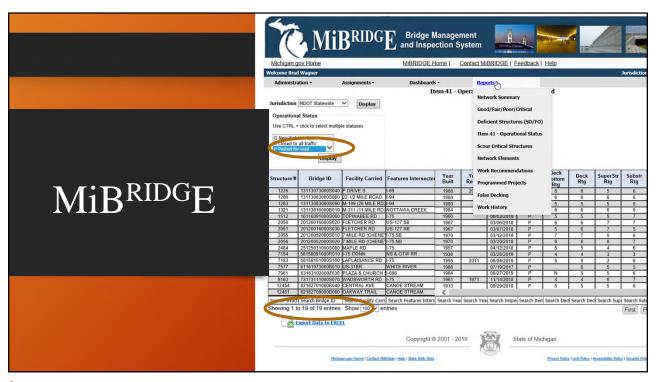


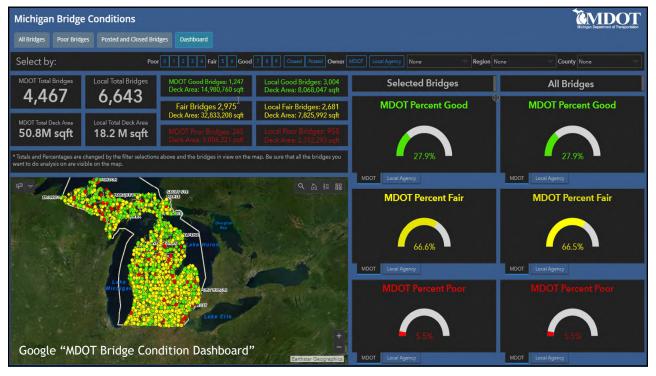


1967 - Silver Bridge Collapse

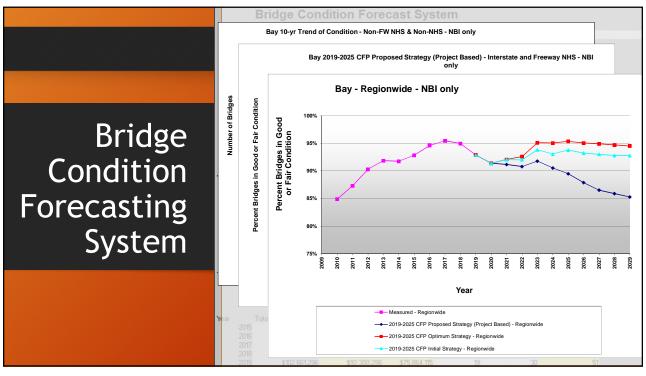


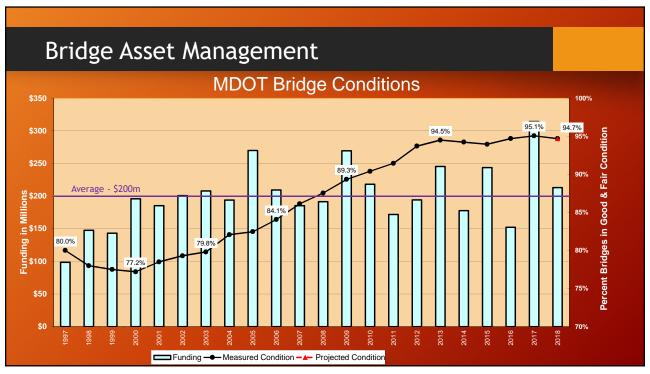
2007 - I-35W Bridge Collapse

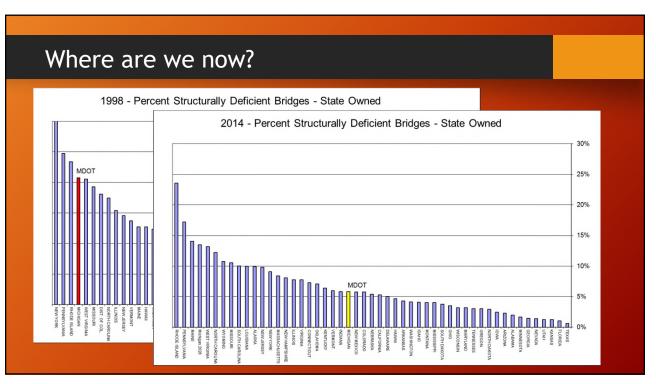


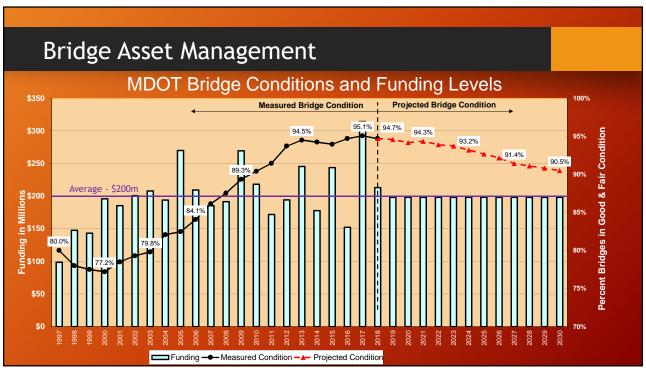




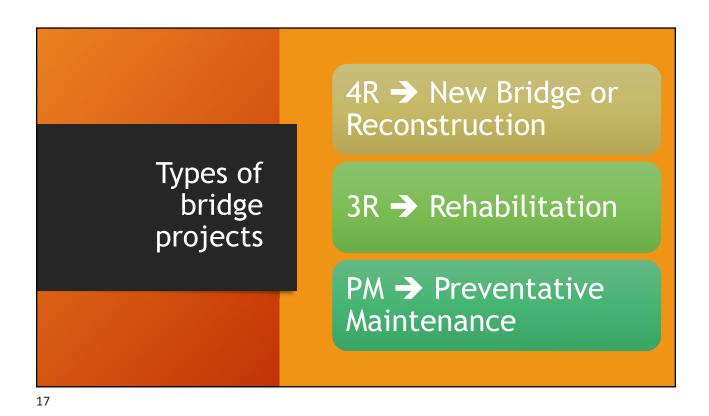












Types of bridge projects

AR → New Bridge or Reconstruction

Projects that involve substantial changes to a structure



AR → New Bridge or Reconstruction

• Replaces entire structure
• Often involves widening, lengthening
• Vertical and horizontal alignment most flexible
• Design life = 75-100 years





## Types of bridge projects

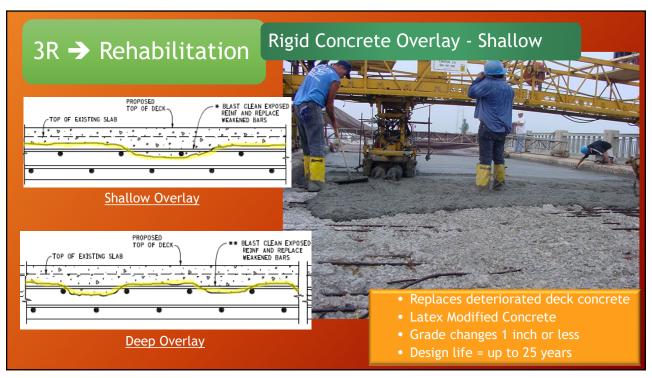
3R → Rehabilitation

## Projects that:

- extend service life
- enhance highway safety
- Restore structural or functional adequacy.

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## **Key Points**

- MDOT is a national leader in bridge asset management
- Comprehensive database is foundational to asset management
- Projects selected based on condition, analytics and experience
- MDOT employs a mix of 4R/3R/PM projects to maintain inventory
- Each project type has inherent constraints

